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NOTICE OF ALLOWANCE AND FEE(S) DUE

23696

7590

02/23/2010

QUALCOMM INCORPORATED 5775 MOREHOUSE DR. SAN DIEGO, CA 92121 EXAMINER

NGUYEN, TOAN D

ART UNIT PAPER NUMBER

2472

DATE MAILED: 02/23/2010

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/086,576	02/28/2002	Nischal Abrol	010462	9020	

TITLE OF INVENTION: HDLC HARDWARE ACCELERATOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/24/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

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appropriate. All further indicated unless correcte maintenance fee notifica	correspondence includir ed below or directed oth	ig the Pa erwise in	ntting the 1336 itent, advance or n Block 1, by (a	ders and notification specifying a new c	of m	naintenance fees warendence address;	ill be and/or	mailed to the current of (b) indicating a separ	correspondence address as ate "FEE ADDRESS" for
CURRENT CORRESPOND	ENCE ADDRESS (Note: Use Bl	ock 1 for an	y change of address)		Fee(:	s) Transmittal. This	certif	icate cannot be used for	domestic mailings of the r any other accompanying t or formal drawing, must
QUALCOMM 5775 MOREHO SAN DIEGO, C					I her State addre trans	Cert reby certify that thi ss Postal Service w essed to the Mail mitted to the USPT	ificate s Fee(s ith suf Stop O (57	of Mailing or Transn 5) Transmittal is being ficient postage for first ISSUE FEE address a 1) 273-2885, on the da	deposited with the United class mail in an envelope above, or being facsimile te indicated below.
									(Depositor's name)
					_				(Signature)
									(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVEN	TOR		ATTO:	RNEY DOCKET NO.	CONFIRMATION NO.
10/086,576 TITLE OF INVENTION	02/28/2002 : HDLC HARDWARE A	ACCELE	RATOR	Nischal Abrol				010462	9020
APPLN. TYPE	SMALL ENTITY	ISSU	JE FEE DUE	PUBLICATION FEE I	OUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO		\$1510	\$300		\$0		\$1810	05/24/2010
EXAM	IINER	A	RT UNIT	CLASS-SUBCLASS	3				
NGUYEN	, TOAN D		2472	370-338000					
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha B/122) attached. ication (or "Fee Address')2 or more recent) attach	nge of Co ' Indicati ed. Use o	orrespondence on form of a Customer PRINTED ON T	(1) the names of to agents OR, alter (2) the name of a registered attorney 2 registered patent listed, no name with E PATENT (print of the content of the co	up to rnativ single or a t attor ll be p	e firm (having as a gent) and the name neys or agents. If n printed.	attorn memb s of u io nam	er a 2 o to e is 3	cument has been filed for
recordation as set fort (A) NAME OF ASSIGNATION Please check the appropriate of the control of	h in 37 CFR 3.11. Comp GNEE	oletion of	this form is NO	Γ a substitute for filin (B) RESIDENCE: (G	g an a CITY	assignment. and STATE OR Co	OUNT	RY)	up entity 🖵 Government
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies				4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).					
	s SMALL ENTITY statu	is. See 37		☐ b. Applicant is no	o long	ger claiming SMAL	L ENT	TITY status. See 37 CF	R 1.27(g)(2).
interest as shown by the	records of the United Sta	tes Paten	t and Trademark	Office.	uan tr	ie applicant; a regis	негеа а	morney or agent; or the	e assignee or other party in
Authorized Signature						Date			
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This collection of inform an application. Confident submitting the completed this form and/or suggesti Box 1450, Alexandria, V	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this bur/irginia 22313-1450. DC	FR 1.311 U.S.C. 1 USPTO den, sho NOT SI	1. The information 22 and 37 CFR. Time will varyuld be sent to the END FEES OR C	on is required to obtain 1.14. This collection a depending upon the a Chief Information C COMPLETED FORM	n or re is esti indivi Office IS TC	etain a benefit by the imated to take 12 m idual case. Any con r, U.S. Patent and T D THIS ADDRESS	ie publ ninutes mment Fraden SENI	ic which is to file (and to complete, including s on the amount of tim nark Office, U.S. Depan D TO: Commissioner for	by the USPTO to process) g gathering, preparing, and the you require to complete thment of Commerce, P.O. or Patents, P.O. Box 1450,

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10/086,576	02/28/2002	Nischal Abrol	010462	9020	
23696 75	590 02/23/2010		EXAM	INER	
QUALCOMM IN	NCORPORATED		NGUYEN	, TOAN D	
5775 MOREHOUS			ART UNIT	PAPER NUMBER	
SAN DIEGO, CA	92121		2472		
		DATE MAILED: 02/23/201	0		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 844 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 844 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/086,576	ABROL ET AL.	
Notice of Allowability	Examiner	Art Unit	
	TOAN D NGUVEN	2472	
	TOAN D. NGUYEN	2472	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate communication is significant or other appropriate communication is significant or other appropriate communication in significant or other appropriate communication in the communication of the comm	n this application. If not included unication will be mailed in due cours	se. THIS
1. This communication is responsive to <u>RCE and IDS filed 02</u>	<u>2/10/10</u> .		
2. \boxtimes The allowed claim(s) is/are <u>5-7, 15, 17-19 are renumbered</u>	<u>! 1-7</u> .		
3. ☐ Acknowledgment is made of a claim for foreign priority unestable a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have	.,,,,	or (f).	
□ Certified copies of the priority documents have		n No	
3. ☐ Copies of the certified copies of the priority do	• • • • • • • • • • • • • • • • • • • •		rom the
International Bureau (PCT Rule 17.2(a)).	odinomo navo been receivo	an the national stage application i	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the require	ments
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			E OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) I including changes required by the Notice of Draftspers	son's Patent Drawing Review	v (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner'Paper No./Mail Date	s Amendment / Comment or	in the Office action of	
ldentifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			() of
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			the
Attachment(s)	5 □ Notice of In	formal Datant Application	
 Notice of References Cited (PTO-892) Dotice of Draftperson's Patent Drawing Review (PTO-948) 	<u> </u>	formal Patent Application ummary (PTO-413),	
	Paper No.	Mail Date Amendment/Comment	
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>02/10/10</u> 			
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		Statement of Reasons for Allowand	ce
-	9.		
	/William Trost/ Supervisory Pa	tent Examiner, Art Unit 2472	

DETAILED ACTION

Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance:

Regarding claims 5-7, the prior art fails to teach a combination of the steps of:

a detection unit operative to evaluate each RLP packet received from the input interface unit one RLP word at a time to detect for bytes of specific values one byte at a time, the detection unit is operative to detect for flag and escape bytes on in the received data, wherein the received RLP packet includes at least a portion of a PPP packet, in the specific combination as recited in the claims.

Regarding claims 15 and 17, the prior art fails to teach a combination of the steps of:

a detection unit operative to evaluate each RLP packet received from the input interface unit one RLP word at a time to detect for bytes of specific values one byte at a time, the detection unit is operative to detect for flag and escape bytes in the received data, in the specific combination as recited in the claims.

Regarding claims 18 and 19, the prior art fails to teach a combination of the steps of:

a detection unit operative to evaluate each RLP packet received from the input interface unit one RLP word at a time to detect for flag, escape, and invalid bytes one byte at a time, in the specific combination as recited in the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably Art Unit: 2472

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TOAN D. NGUYEN whose telephone number is (571)272-3153. The examiner can normally be reached on M-F (7:00AM-4:30PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 571-272-7872. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/T. D. N./

Examiner, Art Unit 2472

/William Trost/

Supervisory Patent Examiner, Art Unit 2472